

Inelastic Interaction of High Energy Helium Ions
with Atomic Nuclei, by V. S. Barashenkov, 16 pp.
RUSSIAN, rpt, No R-2-6195, Lab of Theoretical Physics,
Lab of Nuclear Reactions, 1971, pp 1-18.
AEC/ORNL-Tr-2618-72

Aug 72

Buildup of Cosmic Isotopes in Iron Meteorites, by
V. S. Barashenkov, 9 pp.
RUSSIAN, rpt, JINR R-2-6225, Joint Institute for
Nuclear Research, Dubna, 1972, pp 1-14.
AEC/ORNL-Tr-2620-72

Aug 72

Neutron Resonances of Gadolinium Isotopes, by
E. N. Karzhavina, et al.
ENGLISH, rpt, USSR. Joint Institute for Nuclear
Research. Dubna.
NTC 71-14412-18B

Feb 72

Experiments in α -Particle Acceleration by the
Collective Method, by V. P. Sarantsev, et al.
ENGLISH, rpt, USSR. Joint Institute for Nuclear
Research. 1971.
NTC 71-14089-20G

Feb 72

ANL-Trans-905) SIGN OF THE ASTATINE ION
IN $\text{HClO}_4\text{-H}_2\text{Cr}_2\text{O}_7$ SOLUTIONS. Tyung, Do Kim; Dudova, I.;
Khalkin, V. (Joint Inst. for Nuclear Research, Dubna (USSR)).
Translated for Argonne National Lab., Ill., from Russian Preprint.
6p. Dep. NTIS.

25

26chemistry (physical); translations 2707D

28MN-4 29P NSA

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH.
DUBNA, USSR

1965 JINR-P-2068	65-14474 <*>
1965 JINR-P-2024	65-14517 <*>
1965 JINR-P-2227	70-13501-206 <*>
1965 JINR-P-2471	70-13503-18H <*>
1965 JINR-P-2164	70-13504-206 <*>
1965 JINR-P-2198	70-13513-07D <*>
1965 JINR-P-2426	70-20063 <*>
1965 JINR-P-2480	70-20133 <*>
1965 JINR-P-2422	70-20134 <*>
1965 JINR-P-2008	70-20143 <*>
1965 JINR-P-2340	70-20159 <*>
1966 JINR-P-2705	70-20059 <*>
1966 JINR-P-2707	70-20060 <*>
1966 JINR-P-2764	70-20061 <*>
1966 JINR-P-2706	70-20062 <*>
1966 JINR-P-2828	70-20096 <*>
1966 JINR-P-2890	70-20132 <*>
1966 JINR-P-2730	70-20148 <*>
1966 JINR-P-2-3012	70-20149 <*>
1966 JINR-P-2-3009	70-20150 <*>

ASAC
NAC

REPORT. JOINT INSTITUTE FOR NUCLEAR RESEARCH.
DUBNA. USSR

1967 JINR-P9-3346-2	UCRL-TR-1400-2-5-
1967 JINR-P11-3480	70-10113-180 <*>
1967 JINR-P1-4077	70-10315-20H <*>
1967 JINR-P9-3346-2	70-11032-20H <*>
1967 JINR-P3-3882	70-20115 <*>
1967 JINR-P15-3618	70-20119 <*>
1967 JINR-P4-3614	70-20124 <*>
1967 JINR-P8-3206	70-20130 <*>
1967 JINR-P4-3158	70-20131 <*>
1967 JINR-P10-3587	70-20137 <*>
1968 JINR-P7-3732	ANL-TR-747 <=>
1968 JINR-P4-3935	BNL-TR-285 <=>
1968 JINR-P2-4183	ORNL-TR-2148 <::>
1968 JINR-P13-4059	70-10004-148 <*>
1968 JINR-P9-4171	70-10026-206 <*>
1968 JINR-P7-3732	70-10035-188 <*>
1968 JINR-P2-3716	70-10111-20H <*>
1968 JINR-P7-3041	70-10112-20H <*>
1968 JINR-M1-3686	70-10214-180 <*>
1968 JINR-P2-4402	70-11030-20H <*>
1968 JINR-P2-4306	70-11031-20H <*>
1968 JINR-P4-3935	70-11033-20H <*>

5
5

201C

REPORT. JOINT INSTITUTE FOR NUCLEAR RESEARCH.
DUBNA. SSSR

1968 JINR-P1-4442	70-11241-20H <=>
1968 JINR-P3-4110	70-20111 <=>
1968 JINR-P2-4047	70-20112 <=>
1968 JINR-P1-3788	70-20113 <=>
1968 JINR-P13-4014	70-20114 <=>
1968 JINR-P3-3697	70-20118 <=>
1968 JINR-P3-3696	70-20120 <=>
1968 JINR-P9-3690	70-20142 <=>
1968 JINR-P4-3935	70-20240 <=>
1969 JINR-P1-4373	BNL-TR-281 <=>
1969 JINR-P1-4227	BNL-TR-282 <=>
1969 JINR-P2-4510	PB-187 634T <=>
1969 JINR-P2-4438	SLAC-TRANS-97 <=>
	SLAC-TR-97 <=>

ORDER FROM NRC

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH.
DUBNA, SSSR

1969 JINK-P2-4543	SLAC-TH-98 <*>
1969 JINK-P2-4438	70-10010-18H <*>
1969 JINK-P4-4257	70-10279-20G <*>
1969 JINK-P16-4304	70-10280-18F <*>
1969 JINK-P2-4346	70-10281-20H <*>
1969 JINK-P2-4543	70-10314-20H <*>
1969 JINK-P1-4373	70-10401-20H <*>
1969 JINK-P1-4227	70-10885-20H <*>
1969 JINK-P4-4575	70-11774-20B <*>
1969 JINK-P3-4409	70-11964-20G <*>

ORDER FROM NTC

REPORT, JOINT INSTITUTE FOR NUCLEAR RESEARCH.

DUBNA, SSSR

JINR-P12-4504

JINR-P9-4555

JINR-P-2711

JINR-P-2131

JINR-P9-3402

JINR-R13-3064

JINR-P7-4021

JINR-P2-4333

JINR-P1-4077

JINR-P2-4546

JINR-P13-4702

JINR-P9-4722

ANL-TRANS-769 <=>

ANL-TR-805 <=>

CERN-TR-69-29 <=>

LIB/TRANS-205 <=>

NP-TR-1663 <=>

NP-TR-1810 <=>

NP-TR-1828 <=>

ORNL-TR-2163 <=>

ORNL-TR-2174 <=>

SLAC-TRANS-108 <=>

SLAC-TR-110 <=>

SLAC-TR-111 <=>

ORDER FROM NTC

REPORT. JOINT INSTITUTE FOR NUCLEAR RESEARCH.
DUBNA. SSSR

JINH-P-6-3452	UCHL-TRANS-10306 <=>
JINH-P9-4423	UCHL-TRANS-1401 <=>
JINH-P9-4424	UCHL-TRANS-1402 <=>
JINH-P9-4425	UCHL-TH-1403 <=>
JINH-P9-4728	UCHL-TH-1407 <=>
JINH-P-2393	UCHL-TH-1538-A <=>
JINH-P2-3507	URNL-TH-1436 <=>
JINH-P2-4402	URNL-TH-2200 <=>
JINH-P2-4510	URNL-TH-2224 <=>
JINH-P2-4506	URNL-TH-2230 <=>
JINH-P2-4509	URNL-TH-2235 <=>
JINH-P2-4520	URNL-TH-2236 <=>
JINH-P2-4568	URNL-TH-2243 <=>
JINH-P1-4502	URNL-TH-2257 <=>
JINH-P2-4602	URNL-TH-2258 <=>
JINH-P2-4661	URNL-TH-2267 <=>
JINH-P16-4727	URNL-TH-2277 <=>
JINH-P-2711	70-13401-20H <*>
JINH-P-2407	70-13505-20H <*>
JINH-P9-3024-1	70-13506-18D <*>
JINH-P-1584	70-13514-20H <*>
JINH-P4-4146	70-20091 <*>
JINH-P13-4014	70-20093 <*>

1

REPORT. JOINT INSTITUTE FOR NUCLEAR RESEARCH.

DUBNA, USSR

JINR-P10-3768

JINR-P-2912

JINR-P-2916

JINR-U7-3548

JINR-P1-3612

JINR-P3-3696

JINR-P3-3697

JINR-P4-3674

JINR-P16-3587

JINR-P4-3369

JINR-P13-4014

JINR-P10-3122

1962 JINR-P-1010

1964 JINR-P-1884

70-20094 <*>

70-20097 <*>

70-20101 <*>

70-20104 <*>

70-20105 <*>

70-20106 <*>

70-20107 <*>

70-20108 <*>

70-20117 <*>

70-20121 <*>

70-20122 <*>

70-20124 <*>

70-20146 <*>

AEC-TR-5569 <=>

70-13502-2UG <*>

An Electromagnetic Mass-Separator of the Laboratory
of Nuclear Reactions: A Calculation of the Magnetic
Analyser for the Mass Separator, by N. I. Tarantin.
RUSSIAN, rpt, USSR Joint Institute for Nuclear
Research. Dubna, Report JINR-P-1948.
NTC-71-10193-18D

Nov 71

An Electromagnetic Mass-Separator of the Laboratory
of Nuclear Reactions. Part II. A Description of the
Mass-Separator and its Characteristics, by
A. V. Demyanov.

RUSSIAN, rpt, USSR Joint Institute for Nuclear
Research, Dubna, Report JINR-P-1949.

NTC-71-10192-18D

Nov 71

Theory of the Nuclear Spin-Lattice Relaxation in
Solid Ortho-Hydrogen, by K. Valyasek.
RUSSIAN, rpt, USSR, Joint Institute for Nuclear
Research, Dubna, Report JINR-P4-4893, 1970.
NTC-71-10002-20H

Nov 71

Study by the Extraction Method of the Complexing
of Curium and Europium, by I. Stary, 7 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
Dubna, 9230412.
AEC ORNL ~~SECRET~~

fr-760

292,994

Sci-Chem or Nuclear Sci & Tech
Nov 65

Study by the Extraction Method of the Complexing
of Americium and Promethium, by I. Stary, 9 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
Dubna, 9230306.
AEC OURL-tr-759

292, ¹⁶³~~292~~

Sci-Nuclear Sci & Tech
Nov 65

Investigation of the Characteristics of the Beam
of Protons Accelerated in the 10 BEV Synchro-
phasotron, by A. B. Kuznetsov, K. P. Myznikov,
30 pp.

RUSSIAN, ^{for} ~~Int~~, Joint Inst for Nuclear Research,
Dubna, Lab of High Energy, Report P-787,
JINR-P-787, 18 pp. 9091179

AEC UCRL Tr-843

Sci - Phys
Sep 1962

211, 313

Yields of Some Fragments in Bombardment of Heavy
Nuclei with Multi-Charged Ions. II. Fission U^{235}
by Ne^{22} Ions, by I. Brandstetr, I. Zvara, et al.

see rpt
RUSSIAN, ~~rpt~~, Joint Institute for Nuclear Research,
Dubna SSSR. Lab. of Nuclear Reactions.

*AEC-UCRL-Tr-956

Sci - Phys
Jun 63

Reports at the Conference on Nuclear Reactions
Induced by Multicharge Ions,

RUSSIAN, ^{Report} ~~Report~~, Joint Inst for Nuclear Research,
Dubna, 11-13 Mar 1958.

AEC Tr-4445

Sci - Nuc Phys
May 61

150,321

Cyclotron With Spatial Variations in the Intensity
of the Magnetic Field, by D. P. Vasilevskaya,
A. A. Glazov, et al.

Ref
RUSSIAN, *ref*, Joint Inst for Nuclear Research, Dubna
USSR, Lab of Nuclear Problems, 1959, 39 pp.

*AEC

See also 100-1000
Jan 60

Studies of Photoproduction by Means of Dispersion
Relations, by L. D. Solovyev, G. N. Tentyukova,
27 pp.

RUSSIAN, Joint Institute for Nuclear Research
(USSR), 1959, p384.

AEC UCRL- tr-1041(L)

Sci - N/P
Aug 66

307,308

An Eight Litre Hydrogen - Deuterium Bubble Chamber
in a Magnetic Field, by T. D. Blokhintseva, A. T.
Vasilenko, V. G. Grebinnik, 36 pp.

RUSSIAN, per, Joint Inst for Nuclear Research, Dubna,
JINR-P-848, 1961.

AEC UCRL Tr-810

Sci - Nuc Phys
Jun 62
List 69

197, 839

Synchronisation Work of the Bubble Chamber With the
Synchrocyclotron, by M. P. Balandin, V. G. Grebinnik,
G. I. Selivanov, 20 pp.

RUSSIAN, per, Joint Inst for Nuclear Research, Dubna,
JINR-P-852, 1961.

AED UCEL Tt-811

Sci - Nuc Phys
Jun 62
List 69

147, 840

Asymmetry in the Angular Distribution of Neutrons
During the α -Nucleon Capture in Calcium, by
V. S. Evseyev, V. I. Komarov, V. Z. Kish, 32 pp.

rep
RUSSIAN, ~~per~~, Joint Inst for Nuclear Research,
Dubna, USSR, Lab of Nuclear Problems, 1961. 9097894

AEC UCRL Tr-759

Sci - Phys
Apr 62

189, 918

Analysis of Average Neutron Capture Cross-
Sections, by Yu. P. Popov, Yu. I. Penin.

RUSSIAN, ~~Print~~ ⁷⁰²

9203656

Institute of Nuclear

Investigations Nuclear Report Feb. 1962

9203656

ABO-IR-5569

Sci - Nucl Sci and Tech

Mar 63

226,556

Cross-Sections of Formation, and Mean Angular
Momenta, of Compound Systems in Reactions With
Heavy Ions, by V. V. Babikov, 25 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9225292
AEC-UCRL-Tr-1096

Sci-Nucl Sci
Nov 64

268,557

Decay Properties of Compound Σ Dysprosium Nuclei
Having a High Angular Momentum, by G. Kumpf,
V. A. Karnaukhov, 22 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9225293
AEC-UCRL-Tr-1095

Sci-Nucl Sci
Nov 64

268,554

Synthesis of Element 102 Isotope With Mass Number 256,
by E. D. Donets, V. A. Shchegolev, et al, 28 pp.
RUSSIAN, 1pt, Joint Institute for Nuclear Research,
1963. 9222626

AEC-Tr-6369

AEC-NP-Tr-1137 (922 2994)

Sci-Nucl Sci
Jun 64

260,505

The Fundamental Aspects of Shielding From
Radiation of Accelerators of Protons, Deuterons
and Alpha Particles, by M. M. Komochkov, 62 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9225308
AEC-UCRL-Tr-1062(L)
1062

Sci-Nucl Sci
Nov 64

268,555

Ratio of Cross Sections for Formation of An Sc^{10}
Isomer Pair in Reactions Involving Heavy Ions, by
V. V. Brodel, B. A. Gvozdev, et al, 10 pp.

RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 921686B

ANC-TT-6103

Sci - Nucl Sci
Jan 64

248,559

70
Formation of a Spontaneously Fissioning Isomer
Reactions With α -Particles and Deuterons, by
M. Il'inskiy, S. M. Polikanov, et al., 5 pp.

3.
SSIAM, rpt, Joint Institute For Nuclear Research,
63. 9216869

NEC-Tr-6102

1 - Nucl Sci
1 64

248,556

Calculation of ~~Phase~~ Phase Relationships in the Cyclotron,
by G. N. Vyalov, 7 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9222683
AEC-NP-Tr-1133

Sci-Nucl Sci
Jul 64

260,999

Experiments ~~f~~ on the Observation of Radioactive
Decay Accompanied by Proton Emission, by
V. A. Karnaukhov, G. M. Akop'yan, et al, 6 pp.
RUSSIAN, ~~re~~ rpt, Joint Institute for Nuclear Research,
1963, pp 1-7. 9222298
AEC-Tr-6360

Sci-Nucl Sci
Jun 64

259,766

The Theory of Fragmentation in the Processes of
Quasi-Elastic Scattering of Fast Particles on Light
Nuclei, by V. V. Balashov, A. N. Boyarkina, et al,
40 pp.
RUSSIAN, rpt, Joint Institute of Nuclear Research,
1963. 9222968
AEC-ANL-Tr-5

Sci-Phys
Aug 64

262,917

Experimental Investigation of Angular Distribution in
Transfer Reactions With Ne^{20} and A^{40} Ions, by
F. Lozhinski, 31 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1963. 9224330
AEC-UCRL-Tr-10810

Sci-Nucl Sci
Aug 64

265,626

Calculation of Phase Relationships in the
Cyclotron, by G. N. Byalov, 8pp
RUSSIAN, per, Joint Inst. for Nuclear Research,
1963, p 1343
OTS TT-64-19307

Sci - Phy
May 67

326,504

Calculation of Particle Production in
Nuclei, by V. A. Belyakov, A. V.
Boyadzhiev.
RUSSIAN, rpt, Joint Institut for Nuclear
Research, Dubna, pp 1-13, 1964 9230180
AEC ANL-Tr-213

Sci-NS&T
Nov 65

290,676

Synthesis of Element 102 Isotope with Mass
Number 256, by E. D. Donets, V. A. Shchegolev,
V. A. Ermakov, 40pp
RUSSIAN, per, Joint Inst. for Nuclear Research,
Vol 16, 1964, No 3, pp 195-206
OTS TT-64-19306

Sci - Phy
May 67

326,499

Spontaneous Fission of Element 102 With Mass Number
256, by V. A. Druin, N. K. Skobelev, et al, 9 pp.
RUSSIAN, rpt, Joint Institute of Nuclear Research, 1964.
AEC-NP-Tr-1170 9226037

Sci-Nucl Sci
Jan 65

270,584

Isotropic Discharge Chamber for the Detection of
Tracks of Relativistic Charged Particles,
by M. M. Butslov, V. I. Komarov, et al, 14 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
Dubna, 1964, pp 1-17. 9225790
AEC-ANL-Tr-64

Sci-Nucl Sci
Dec 64

269,402

The Electromagnetic Properties of Baryons in the
Model of Unitary Symmetry, by E. Kapustsik, E. Obryk,
5 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1964, pp 1-7. 9225791
AEC-ANL-Tr-65

Sci-Nucl Sci
Dec 64

270,058

~~XXXXXXXX~~

Studies of Photoproduction by Means of Dispersion
Relations, by L. D. Solov'ev, G. N. Tentyukova, 27 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
Jan 1964.
AEC-UCRL-Tr-1041(L)

Sci-Nuci Sci
Dec 64

269, #948

A Polarized Proton Target for Experiments With
High-Energy Particles, by S. M. Bilen'kiy,
L. I. Lapidus, et al, 76 pp.
RUSSIAN, rpt, Joint Institute for Nuclear Research,
1964, pp 1-80. 9226032
AEC-ANL-Tr-83

Sci-Nucl Sci
Dec 64

270,154

Verification of Dispersion Correlations in
the Small-angle and High-energy Region,
by V. S. Barashenkov, V. I. Dedyu.
RUSSIAN, rpt, Joint Institute for Nuclear
Research, pp 1-9, 1964 9229623
AEC ANL-Tr-184

Sci-Info
Oct 65

290,629

Investigation of the Dynamics of the
Molecular Groups MH_4^+ and H_2O in Crystals,
by A. Bayorek, T. A. Machekina, et al,
24 pp.

RUSSIAN, rpt, Joint Institute for Nuclear
Research, 1964, pp 1-29. 9227057
AEC-AIL-Tr-145

Sci-NS
Apr 65

277,068

Study by the Extraction Method of the Complexing of
Curium and Europium, by I. Stary.
RUSSIAN, report, USSR. Joint Institute for
Nuclear Research. Dubna, 1965.
NTC 70-17187-07B

Study by the Extraction Method of the Complexing
of Americium and Promethium, by I. Story.
RUSSIAN, per, USSR. Joint Institute for Nuclear
Research Dubna., REPORT/INR-1-2000.
NTC 70-17186-07B

A calculation of nuclear fission induced by π meson
particles, by V.S. Barashenkov, V.I. Kalisev.
5 pp.
RUSSIAN, rpt, Joint Institut of Nuclear Research,
Dubna(USSR), 1965. 9 pp.
ARC ERL-tr-13

Sci/Nuclear sci
Nov 66

011,588

Determination of Spins of n_{100} Neutron
Resonances by Transmission of Polarized
Neutrons Through a Polarized Target in the
Energy Interval 0-55eV, by V. P. Alfimenkov,
V. I. Lushikov, et al.

RUSSIAN, rpt, Joint Institute for Nuclear
Physics, Dubna, 1965. 9251657
AEC-BRL-Tr-36

Sci - NS
Jan 66

294,281'

Evaporation Reactions of Several Neutrons
by Bombarding U-238 with Accelerated Ions
of Oxygen-18, Fluorine-19, and Neon-22,
by E. D. Donets, V. A. Shchegolev.
RUSSIAN, per, Joint Institute for Nuclear
Research, 1965 9229838
AEC UCRL-Tr-1235

Sci-Phys
Nov 65

291,946

An Increase of the Internal Beam Current
of the JINR Synchro-Cyclotron by
Additional Electrostatic Focusing, by
V. L. Danilov, I. B. Enchevich.
RUSSIAN, rpt, Joint Institute for Nuclear
Research, 1965, 10 pp. 9229642
AEC NP-Tr-1258

Sci-Phys
Oct 65

290,614

Interaction of Elementary Particles with
Atomic Nuclei in the Energy Region 1-50
GeV, by I. Z. Artykov, V. S. Garashchikov,
et al.

RUSSIAN, rpt, Joint Institute for Nuclear
Physics, Dubna, 1965. 9231656
AEC-BNL-Tr-47

Sci - NS
Jan 66

294,230

Interaction of Fast Protons with
Heavy Ions, by V. S. Barashenkov,
V. M. Maltsev.
RUSSIAN, rpt, Joint Institute of
Nuclear Studies, 1965 92:8902
AEC-BNL-Tr-21

Sci-NS&T
Oct 65

290,618

Neutron- U^{235} Nuclear Interaction in the
0.002-30 kev Energy Region, by Van
Shi-chi, Van Yun-chan.
RUSSIAN, rpt, Joint Institute for Nuclear
Research, 1965 9230173
AEC BNL-Tr-16

Sci-FS&T
Nov 65

291,863

ABC #47 (TD 8 April)

R-6800-D
31 March 66

On a possibility of using particle charge exchange for
their multiple acceleration in a potential electric
field

By: Vyalov G. N., Fiks M.M.

From: Joint Institute for Nuclear Research, Dubna 1965
Pamphlet No. 2538 (26 pp)

Russian - est for us:

Type 1 original and 1 carbon copy. Reproduce for
pasting-up.

Pulsed Research Reactor of the Joint
Institute for Nuclear Research and Appli-
cability of Pulsed Reactor Application in
Neutron Spectroscopy, by V. I. Ananiev,
I. N. Matora, et al.

RUSSIAN, rpt, Joint Institute for Nuclear
Research Neutron Physics Laboratory, 1968.
9252391

AEC BNL-Tr-60

Sci/Physics
May 60

200,514

POSSIBLE FUNCTIONS OF L-AMINO ACIDS FOR NEUTRONS WITH
I- and I, by Yu. V. Ryabov, Yu. I. Fentle.
RUSSIAN, ~~see~~ Joint Institute for Nuclear Research,
Dubna, 1965. 9230548
AEC-BNL-Tr-20

Sci - NS
Jan 66

294,297

Electromagnetic Properties of Representation
70 in the SU(6) Scheme, by Kao Ti, L. G. Tkachev,
8 pp.

RUSSIAN, rpt, JINR, 1965, pp 3-11.

ARC/RSIC/Tr-859-68

GOVERNMENT USE ONLY

Sci/Phy
Dec 68

Group SU(1 2) as a Generalization of the
Symplectic and Spin Symmetries, by B. V
B. V. Struminskiy, I. T. Todorev, 7 pp.
RUSSIAN, rpt, JINR, 1965, pp 3-6.
ARM/RSIC/Tr-858-68
GOVERNMENT USE ONLY

Sci/Phy
Dec 68

Collisions with Particle Redistribution, by L.
Amirkhanov.

RUSSIAN, per. Joint Institute for Nuclear Research.
Dubna, 1966, pp 1-18.

*ACSI J-3865
ID 2204057367

Sci-Nucl Sci
Dec 67

Reactions with Rearrangement of Particles II, by
T. G. Efimenko.
RUSSIAN, per, Joint Institute for Nuclear Research,
Dubna, 1967, pp 1-16.
*ACSI J-3865 or J-3873
ID 2204057367

Sci-Hucl Sci
Dec 67

The Thermophysical Properties of Some Multi-
layer Insulators at Cryogenic Temperatures,
by L. B. Golovanov, 16 pp.
RUSSIAN, rpt, JINR, 1967, pp 3-20.
REF-780 P200153268

USSR

357 448

Semiconductor Control Scheme of a Device for
Film Scanning From Spark Chambers, by J. Cech.
FRENCH, rpt, JINR/R 10-3122, 1967.

*AEC 2959

OLL Rq: 5828.4F(12860)

Sci - Nuclear Science
May 67

On Ion Detection in Supercooled Liquids, by
A. F. Pisarev.
GERMAN, rpt, Report JINR03360.
NLL Ref: 3120.12 (67-7)

Sci-Phys
Jan 69

372,604

Quasielastic Scattering of 665-MeV Protons by
Alpha-Particle Clusters in Light Nuclei, by
V. I. Komarov, G. Ye. Kosarev, 10 pp.
RUSSIAN, rpt, Joint Inst for Nuclear Research,
1969.

AEC/BNL-Tr-282-69

Sci/Phy

V. S. Barashenkov

Interaction Mechanism of Particles With High
and Ultrahigh Energy With Atomic Nuclei. New
Types of Interactions With Elementary Particles.
RUSSIAN, per, USSR, Joint Institute for Nuclear
Research, Dubna, 1969
NTC 72-12735-20H

sept 72

Investigation of the Heisenberg Model of the
Impure Ferromagnets I, by Ye. Pirovetskiy, 17 pp.
RUSSIAN, rpt, JINR, Lab Theoretical Physics,
Dubna, 1970.
AEC/DRI-Tr-389-7)

Sci/Phy
Feb 71

Investigation of the Heisenberg Model of the
Impure Ferromagnets II, by Ye. Provetski, 14 pp.
RUSSIAN, rpt, Joint Inst for Nuclear Research,
Lab of Theoretical Physics, Dubna, 1970.
AEC/USIL-TT-390-70

Sci/Nucl
Feb 71

Nucleon-Nucleon Interaction and the Average
Nuclear Field, by V. V. Babikov.
RUSSIAN, rpt, USSR Joint Institute for Nuclear
Research. Dubna, 1970,
NTEC-71-10674-20H

Nov 71

Neutron-Electron Interaction, by Yu. A. Aleksandrov.
RUSSIAN, rpt, USSR. Joint Institute for Nuclear
Research. Dubna, 1970.
NPO-71-10675-20H

Nov 71

Single-Particle States of Deformed
Transuranium Nuclei in the Saxon-Woods
Potential, by F. A. Gareev.
RUSSIAN, rpt, USSR. Joint Institute for Nuclear
Research. Dubna, 1970.
NTC-71-15053-20H

Feb 72

On the Correlation Between the Reduced
Neutron Widths and Partial Radiation
Widths in Resonances, by V. G. Solovev.
RUSSIAN, rpt, USSR. Joint Institute for
Nuclear Research. Dubna, 1971.
NTC-71-15052-18H

Feb 72

On New Methods of Detecting Particle
Tracks in Liquid and Solid Media,
by V. I. Nikanorov.
RUSSIAN, per, USSR. Joint Institute for
Nuclear Research, Dubna, 1971.
NTC 72-11179-18D

May 72

L. M. Soroko

The Hadamard-Transform Scintillation Counter.
ENGLISH, rpt, USSR. Joint Institute for Nuclear
Research. Dubna, Report JINR-P13-5696, 1971.
NTC 72-13580-18D

Nov 72

V. D. Bartenev

Forming in a Vacuum a Jet Target From Condensed Hydrogen.

RUSSIAN, per, USSR, Joint Institute for Nuclear Research, Dubna, 1971

NTC 72-12751-20G

sept 72

Track Chamber With Charge Multiplica-
tion Inside the Film Electrodes, by
V. I. Nikanorov.
RUSSIAN, per, USSR, Joint Institute for
Nuclear Research. Dubna, 1971.
NTC 72-11178-18D

May 72

Agency: Air Force *R-15513-D (SF)*
P.O. #: ARL 72-0001 72-07 *15 Dec 1972*

Title: Chelates of some beta-diketones...

Author: Zaitseva, N.G. & Islamova, Kh M.

Source: Jt. Inst. for Nuclear Res., Dubna
(USSR). 1972. MICROFICHE...

Special Instructions: Please translate and
type one copy.

Language: Russian to English

Bogolyubov, N. N., Zubarev, D. N., and
Tsarkovnikov, Yu. A.
ON THE THEORY OF PHASE TRANSITIONS (K
Teorii Fazovogo Perekhoda) tr. by Lydia Vesters.
Oct 58, 11p. 3 refs.
Order from LC or SLA ml52. 40, pl53. 30 AEC-tr-4205

Trans. of Joint Institute for Nuclear Research (USSR).
[Rept.] P-110, 1957.

A model is discussed that allows one to obtain asymptotically accurate expressions for thermodynamic functions, which correctly reflect the thermodynamic properties of the superconductors.

151650

(Physics--Thermodynamics, TT, v. 5, no. 8)

61-15349

1. Phase transitions--
Mathematical analysis
2. Superconductivity--Thermodynamics
3. Superconductors--Thermodynamic properties
- I. Bogolyubov, N. N.
- II. Zubarev, D. N.
- III. Tsarkovnikov, Yu. A.
- IV. AEC-tr-4205
- V. Argonne National Lab.,
Lemont, Ill.
- VI. JINR P-110

Office of Technical Services

62-23234

Akimov, Yu. K., Savchenko, O. V., and Soroko, L. M.
SEARCH FOR ANOMALIES IN THE ENERGY DEPEND-
ENCE OF THE CROSS SECTION OF REACTION
 $p + p \rightarrow d + \pi^+$ IN THE THRESHOLD REGION OF PAIR
FORMATION OF π -MESONS, tr. by S. Shewchuck.
Aug 61, 3p. 5 refs.
Order from OTS or SLA \$1.10 UCRL Trans-702

Trans. of Joint Inst[itute] for Nucl[ear] Res[earch]
(USSR) [Rept]. P-710, n.d.

DESCRIPTORS: *Nuclear reactions, Energy, Particles,
*Protons, *Deuterons, *Pions, Mesons.

An attempt is made to observe non-monotonies in the
energy dependence of the differential cross section of
reaction $p + p \rightarrow d + \pi^+$ in the neighborhood of thresholds
of pair formation of π -mesons. The results of the
measurements performed do not give a specific answer
(Nuclear Physics--Nuclear Reactions, TT, v. 9, no. 3)
(over)

- I. Akimov, Yu. K.
- II. Savchenko, O. V.
- III. Soroko, L. M.
- IV. UCRL Trans-702
- V. Lawrence Radiation Lab.,
U. of California,
Berkeley
- VI. JINR P-710

Office of Technical Services

Scattering cross sections of γ -ray energy
Technique. With Large Momentum Transfers, by A.
A. Aronov, V. G. Grishin, L. V. Silvestrov, V. A.
Strel'tsov, 4 pp.

Ref
RUSSIAN, ~~for~~, Joint Inst for Nuclear Research,
Dubna, 1961, JINR-P-5765.

AEC NP Tr-836

Sci - Nuc Phys
May 62

193,579

Investigation of the Characteristics of the Beam
of Protons Accelerated in the 10 BEV Synchro-
phasotron, by A. B. Kuznetsov, K. P. Myznikov,
30 pp.

RUSSIAN, *pt*, Joint Inst for Nuclear Research,
Dubna, Lab of High Energy, Report P-787,
JINR-P-787, 18 pp. 9091179

AEC UCRL Tr-343

Sci - Phys
Sep 1962

Tables of Phase Volumes, by G. I. Kopylov.

RUSSIAN, ^{rpt}~~for~~ Joint Inst of Nuclear Research, Dubna,
SSSR, Rpt P-777.

*AEC UCRL Tr-798

Sci - Nuc Phys
Mar 62

Gamma Spectra in Heavy Ion Reactions, by Yu. A.
Oganessyan, Yu. V. Lobanov, B. N. Markov, 29 pp.

Ref
RUSSIAN, ~~Ref~~, Joint Inst for Nuclear Research, Dubna,
JINR-P-832. 9093486

ARC UURL (tr-819(L))

Sci-Nuc Phys

Jul 62

List 70

204,706

Resonance High-Frequency Discharge in a Cyclotron,
by B. A. Zager, V. G. Tishin, 40 pp.

~~per/pt~~
RUSSIAN, ~~pt~~, Joint Inst for Nuclear Reactions,
Dubna, JINR-P-811, 1961. 9093485

AEC UCRl Tr-819

Sci.- Nuc Phys
Jul 62
List 70

204.724

Energy Spectrum of Resonance Absorption of γ -Radiation
of 92 Kev Zn^{67} in Zinc Oxide, by V. P. Alimenkov,
Yu. M. Ostanevich, 18 pp.

RUSSIAN, ~~per~~ ^{Joint} Joint Inst for Nuclear Research, Dubna,
USSR, Lab of Neutron Physics, JINR-P-845, 1961,

AEC Tr-5115

Sci - Nuc Phys
Aug 62
List 71

206,075

Eight-Litre Hydrogen-Deuterium Bubble Chamber
in a Magnetic Field, by T. D. Blokhintseva, A. T.
Vasilenko, V. G. Grebinnik.

not
RUSSIAN, ~~see~~, Joint Inst for Nuclear Research, Dubna,
Lab of Nuclear Problems, Rpt P-819.

*AEC

Sci - Nuc Phys
Mar 62

Methods of Changing the Duration & of the Time of
the Beam Interaction With the Target in a 10 Bev
Synchrophasotron, by G. S. Kazanskiy, A. I. Mikhailov,
K. P. Myznikov, 41 pp.

~~per~~ Joint Inst of Nuclear Research, Dubna,
RUSSIAN, ~~Int./JINR-P-849.~~ 9093482

per
AEC UCRL Tr-813

Sci. - Nuc Phys
Jul 62
List: 70

204, 721

Synchronization of the Bubble Chamber With the
Synchrocyclotron, by M. F. Balandin, V. G. Grevinnik,
G. I. Selivanov.

Agat
RUSSIAN, ~~for~~, Joint Inst for Nuclear Research, Dubna,
Lab of Nuclear Problems, Rpt P-852.

*AEC

Sci - Nuc Phys
Mar 62

Tuning and Adjustment of the Injector Beam of
the Linear Accelerator, by Yu. N. Antonov, L. P.
Zelov'yov, I. V. Kozhukhov, 23 pp.

~~RUSSIAN~~ ^{Not} ~~Eng~~, Joint Inst for Nuclear Research, Dubna,
JINR-P-855. 9093483

AEC UCRL Tr-814

Sci - Engr
Jul 62
List 70

204, 722

Reactions of Nuclei With Anomalous Periods of
Intermediate Emission in Heavy Ion Reactions, by
G. M. Kikhanov, Wang Tung-seng, et al., 9 pp.

not
SASDAS, *not* Joint Institute for Nuclear Research,
D-1170, 1962. 9207239

AEC/UCRL Tr-918

Doc. # 1148

432,189

May 68

Experiments for the Determination of Fission
Productivity in Nuclei, by V. A. Karamukher,
A. H. Karamukher, et al, 13 pp.

not
USSR, Joint Institute for Nuclear Research,
Dubna, 1962. ~~900/261~~

AEC/UCRL Tr-919

Reverse Translation
AEC-KF6-TR-147
232,190

Doc - Phys

May 68

Investigation of Speculations Regarding
V. P. Paralygin, S. P. Trotyashova, 5 Jan
Not
RUSSIAN, ~~per~~, Joint Institute for Nuclear
Research, P-1118-, 1962. 9207252

ABC/UCRL Tr-940

Sci - PHYSI Incl Sci

May 63

232,235